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IN THE CLAIMS:

1. (Currently Amended) A connector assembly for detachably connecting a lead to an implantable medical device, comprising:

a deflectable connector clip including a first arm, a second arm, and a top portion extending between the first arm and the second arm, the connector clip capable of being deflected from a first position corresponding to a first relative position of the first arm and the second arm to a second position corresponding to a second relative position of the first arm and the second arm; and

a housing having a first member and a second member, the first member formed to be fixedly engaged with the second member to enclose the connector clip within the housing, wherein the connector clip is positioned within one of the first member and the second member, wherein the first arm extends from the top portion to a first end and the second arm extends from the top portion to a second end, and wherein the connector clip includes a first side wall along the first end and a second side wall along the second end, the first side wall being adjacent to and engaged against the second side wall when the connector clip is in the first position and the first end being engaged against the second end when the connector clip is in the second position.

Claim 2 (Canceled)

3. (Original) The connector assembly of claim 1, wherein the housing and the connector clip are formed of an electrically conductive metal.

4. (Original) The connector assembly of claim 3, wherein the electrically conductive metal is stainless steel.

5. (Original) The connector assembly of claim 1, wherein the first member and the second member form an aperture to receive the lead, the first arm and the second arm being engaged against the lead as the lead is advanced through

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the aperture to further deflect the first arm and the second arm from the second position to a third position corresponding to a third relative position of the first arm and the second arm.

6. (Currently Amended) The connector assembly of claim 5, wherein the first arm extends from the top portion to a first end and the second arm extends from the top portion to a second end, and wherein the connector clip includes a first side wall along the first end and a second side wall along the second end, the first side wall being adjacent to and engaged against the second side wall when the connector clip is in the first position, the first end being engaged against the second end when the connector clip is in the second position, and the first end is extended a distance outward from the second end when the connector clip is in the third position.

7. (Original) The connector assembly of claim 1, wherein the first member includes a first flange extending outward from a front surface of the first member to a first flange top portion, and the second member includes a second flange extending outward from a front surface of the second member to a second flange top portion, the first flange top portion being fixedly engaged against the second flange top portion to enclose the connector clip within the housing.

8. (Original) The connector assembly of claim 7, wherein the first flange and the front surface of the first member form a first recessed portion and the second flange and the front surface of the second member form a second recessed portion, the connector clip being positioned within one of the first recessed portion and the second recessed portion and deflected to the second position.

9. (Original) The connector assembly of claim 8, wherein the connector clip includes a bottom portion, the first arm extending from the top portion to the bottom portion and the second arm extending from the top portion to the bottom

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portion, and wherein the top portion is engaged against one of the first flange and the second flange and the bottom portion is spaced from the one of the first flange and the second flange.

10. (Original) The connector assembly of claim 8, wherein the front surface of the first member and the front surface of the second member form an aperture to receive the lead within the housing, the first arm and the second arm being engaged against the lead as the lead is advanced through the aperture to further deflect the first arm and the second arm from the second position to a third position corresponding to a third relative position of the first arm and the second arm.

11. (Currently Amended) The connector assembly of claim 10, wherein ~~the first arm extends from the top portion to a first end and the second arm extends from the top portion to a second end, and wherein the connector clip includes a first side wall along the first end and a second side wall along the second end, the first side wall being adjacent to and engaged against the second side wall when the connector clip is in the first position, the first end being engaged against the second end when the connector clip is in the second position, and the first end is extended a distance outward from the second end when the connector clip is in the third position.~~

12. (Original) The connector assembly of claim 1, wherein the first member includes a first flange extending outward from a front surface of the first member and the second member includes a second flange extending outward from a front surface of the second member, the second flange capable of being fixedly engaged about the first flange to enclose the connector clip within the housing.

13. (Original) The connector assembly of claim 12, wherein the second member includes a third flange extending outward from the front surface of the

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second member, the first flange and the front surface of the first member forming a first recessed portion and the third flange and the front surface of the second member form a second recessed portion, the connector clip being positioned within one of the first recessed portion and the second recessed portion and deflected to the second position.

14. (Original) The connector assembly of claim 13, wherein the connector clip includes a bottom portion, the first arm extending from the top portion to the bottom portion and the second arm extending from the top portion to the bottom portion, and wherein the top portion is engaged against one of the first flange and the third flange and the bottom portion is spaced from the one of the first flange and the third flange.

15. (Original) The connector assembly of claim 13, wherein the front surface of the first member and the front surface of the second member form an aperture to receive the lead within the housing, the first arm and the second arm being engaged against the lead as the lead is advanced through the aperture to further deflect the first arm and the second arm from the second position to a third position corresponding to a third relative position of the first arm and the second arm.

16. (Currently Amended) The connector assembly of claim 15, wherein the first arm extends from the top portion to a first end and the second arm extends from the top portion to a second end, and wherein the connector clip includes a first side wall along the first end and a second side wall along the second end, the first side wall being adjacent to and engaged against the second side wall when the connector clip is in the first position, the first end being engaged against the second end when the connector clip is in the second position, and the first end is extended a distance outward from the second end when the connector clip is in the third position.

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17. (Currently Amended) An implantable medical device capable of being detachably connected to a lead, comprising:

a first deflectable connector clip including a first arm, a second arm, and a top portion extending between the first arm and the second arm, the connector clip capable of being deflected from a first position corresponding to a first relative position of the first arm and the second arm to a second position corresponding to a second relative position of the first arm and the second arm; and

a housing having a first member and a second member, the first member formed to be fixedly engaged with the second member to enclose the connector clip within the housing, wherein the connector clip is positioned within one of the first member and the second member, wherein the first arm extends from the top portion to a first end and the second arm extends from the top portion to a second end, and wherein the connector clip includes a first side wall along the first end and a second side wall along the second end, the first side wall being adjacent to and engaged against the second side wall when the connector clip is in the first position and the first end being engaged against the second end when the connector clip is in the second position.

Claim 18 (Canceled)

19. (Original) The device of claim 17, wherein the housing and the connector clip are formed of an electrically conductive metal.

20. (Original) The device of claim 19, wherein the electrically conductive metal is stainless steel.

21. (Original) The device of claim 17, wherein the first member and the second member form an aperture to receive the lead, the first arm and the

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second arm being engaged against the lead as the lead is advanced through the aperture to further deflect the first arm and the second arm from the second position to a third position corresponding to a third relative position of the first arm and the second arm.

22. (Currently Amended) The device of claim 21, wherein the first arm ~~extends from the top portion to a first end and the second arm extends from the top portion to a second end, and wherein the connector clip includes a first side wall along the first end and a second side wall along the second end, the first side wall being adjacent to and engaged against the second side wall when the connector clip is in the first position, the first end being engaged against the second end when the connector clip is in the second position, and the first end is extended a distance outward from the second end when the connector clip is in the third position.~~

23. (Original) The device of claim 17, wherein the first member includes a first flange extending outward from a front surface of the first member to a first flange top portion, and the second member includes a second flange extending outward from a front surface of the second member to a second flange top portion, the first flange top portion being fixedly engaged against the second flange top portion to enclose the connector clip within the housing.

24. (Original) The device of claim 23, wherein the first flange and the front surface of the first member form a first recessed portion and the second flange and the front surface of the second member form a second recessed portion, the connector clip being positioned within one of the first recessed portion and the second recessed portion and deflected to the second position.

25. (Original) The device of claim 23, wherein the connector clip includes a bottom portion, the first arm extending from the top portion to the bottom portion

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and the second arm extending from the top portion to the bottom portion, and wherein the top portion is engaged against one of the first flange and the second flange and the bottom portion is spaced from the one of the first flange and the second flange.

26. (Original) The device of claim 24, wherein the front surface of the first member and the front surface of the second member form an aperture to receive the lead within the housing, the first arm and the second arm being engaged against the lead as the lead is advanced through the aperture to further deflect the first arm and the second arm from the second position to a third position corresponding to a third relative position of the first arm and the second arm.

27. (Currently Amended) The device of claim 26, wherein ~~the first arm extends from the top portion to a first end and the second arm extends from the top portion to a second end, and wherein the connector clip includes a first side wall along the first end and a second side wall along the second end, the first side wall being adjacent to and engaged against the second side wall when the connector clip is in the first position, the first end being engaged against the second end when the connector clip is in the second position, and the first end is extended a distance outward from the second end when the connector clip is in the third position.~~

28. (Original) The device of claim 17, wherein the first member includes a first flange extending outward from a front surface of the first member and the second member includes a second flange extending outward from a front surface of the second member, the second flange capable of being fixedly engaged about the first flange to enclose the connector clip within the housing.

29. (Original) The device of claim 28, wherein the second member includes a third flange extending outward from the front surface of the second member, the

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first flange and the front surface of the first member forming a first recessed portion and the third flange and the front surface of the second member form a second recessed portion, the connector clip being positioned within one of the first recessed portion and the second recessed portion and deflected to the second position.

30. (Original) The device of claim 29, wherein the connector clip includes a bottom portion, the first arm extending from the top portion to the bottom portion and the second arm extending from the top portion to the bottom portion, and wherein the top portion is engaged against one of the first flange and the third flange and the bottom portion is spaced from the one of the first flange and the third flange.

31. (Original) The device of claim 29, wherein the front surface of the first member and the front surface of the second member form an aperture to receive the lead within the housing, the first arm and the second arm being engaged against the lead as the lead is advanced through the aperture to further deflect the first arm and the second arm from the second position to a third position corresponding to a third relative position of the first arm and the second arm.

32. (Currently Amended) The device of claim 31, wherein ~~the first arm extends from the top portion to a first end and the second arm extends from the top portion to a second end, and wherein the connector clip includes a first side wall along the first end and a second side wall along the second end, the first side wall being adjacent to and engaged against the second side wall when the connector clip is in the first position, the first end being engaged against the second end when the connector clip is in the second position, and the first end is extended a distance outward from the second end when the connector clip is in the third position.~~

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33. (Currently Amended) An implantable medical device capable of being detachably connected to a lead, comprising:

a first deflectable connector clip and a second deflectable connector clip, each of the first connector clip and the second connector clip including a first arm, a second arm, and a top portion extending between the first arm and the second arm, and capable of being deflected from a first position corresponding to a first relative position of the first arm and the second arm to a second position corresponding to a second relative position of the first arm and the second arm; and

a housing having a first member and a second member, wherein the first connector clip is positioned within the first member and the second connector clip is positioned within the second member generally perpendicular to the first connector clip, and the first member is formed to be fixedly engaged with the second member to enclose the first connector clip and the second connector clip within the housing, wherein, for each of the first connector clip and the second connector clip, the first arm extends from the top portion to a first end and the second arm extends from the top portion to a second end, and wherein each of the first connector clip and the second connector clip include a first side wall along the first end and a second side wall along the second end, the first side wall being adjacent to and engaged against the second side wall when the first connector clip and the second connector clip is in the first position and the first end being engaged against the second end when the first connector clip and the second connector clip is in the second position.

Claim 34 (Canceled)

35. (Original) The device of claim 33, wherein the housing and the first connector clip and the second connector clip are formed of an electrically conductive metal.

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36. (Original) The device of claim 35, wherein the electrically conductive metal is stainless steel.

37. (Original) The device of claim 33, wherein the first member and the second member form an aperture to receive the lead, the first arm and the second arm being engaged against the lead as the lead is advanced through the aperture to further deflect the first arm and the second arm from the second position to a third position corresponding to a third relative position of the first arm and the second arm.

38. (Currently Amended) The device of claim 37, wherein ~~the first arm extends from the top portion to a first end and the second arm extends from the top portion to a second end, and wherein each of the first connector clip and the second connector clip include a first side wall along the first end and a second side wall along the second end, the first side wall being adjacent to and engaged against the second side wall when the first connector clip and the second connector clip is in the first position, the first end being engaged against the second end when the first connector clip and the second connector clip is in the second position, and the first end is extended a distance outward from the second end when the first connector clip and the second connector clip is in the third position.~~

39. (Original) The device of claim 33, wherein the first member includes a first flange extending outward from a front surface of the first member to a first flange top portion, and the second member includes a second flange extending outward from a front surface of the second member to a second flange top portion, the first flange top portion being fixedly engaged against the second flange top portion to enclose the first connector clip and the second connector clip within the housing.

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40. (Original) The device of claim 39, wherein the first flange and the front surface of the first member form a first recessed portion and the second flange and the front surface of the second member form a second recessed portion, the first connector clip being positioned within the first recessed portion and deflected to the second position, and the second connector clip being positioned within the second recessed portion and deflected to the second position.

41. (Original) The device of claim 39, wherein each of the first connector clip and the second connector clip include a bottom portion, the first arm extending from the top portion to the bottom portion and the second arm extending from the top portion to the bottom portion, and wherein the top portion of the first connector clip is engaged against the first flange and the top portion of the second connector clip is engaged against the second flange, and the bottom portion of the first connector clip is spaced from the first flange and the bottom portion of the second connector clip is spaced from the second flange.

42. (Original) The device of claim 40, wherein the front surface of the first member and the front surface of the second member form an aperture to receive the lead within the housing, the first arm and the second arm of each of the first connector clip and the second connector clip being engaged against the lead as the lead is advanced through the aperture to further deflect the first arm and the second arm from the second position to a third position corresponding to a third relative position of the first arm and the second arm.

43. (Currently Amended) The device of claim 42, wherein ~~the first arm of each of the first connector clip and the second connector clip extend from the top portion to a first end and the second arm of each of the first connector clip and the second connector clip extend from the top portion to a second end, and wherein each of the first connector clip and the second connector clip include a first side wall along the first end and a second side wall along the second end,~~

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~~the first side wall being adjacent to and engaged against the second side wall when the first connector clip and the second connector clip is in the first position, the first end being engaged against the second end when the first connector clip and the second connector clip is in the second position, and the first end is extended a distance outward from the second end when the first connector clip and the second connector clip is in the third position.~~

44. (Original) The device of claim 33, wherein the first member includes a first flange extending outward from a front surface of the first member and the second member includes a second flange extending outward from a front surface of the second member, the second flange capable of being fixedly engaged about the first flange to enclose the first connector clip and the second connector clip within the housing.

45. (Original) The device of claim 44, wherein the second member includes a third flange extending outward from the front surface of the second member, the first flange and the front surface of the first member forming a first recessed portion and the third flange and the front surface of the second member form a second recessed portion, the first connector clip being positioned within the first recessed portion and deflected to the second position, and the second connector clip being positioned within the second recessed portion and deflected to the second position.

46. (Original) The device of claim 45, wherein each of the first connector clip and the second connector clip include a bottom portion, the first arm extending from the top portion to the bottom portion and the second arm extending from the top portion to the bottom portion, and wherein the top portion of the first connector clip is engaged against the first flange and top portion of the second connector clip is engaged against the third flange, and the bottom portion of the

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first connector clip is spaced from the first flange and the bottom portion of the second connector clip is spaced from the third flange.

47. (Original) The device of claim 45, wherein the front surface of the first member and the front surface of the second member form an aperture to receive the lead within the housing, the first arm and the second arm of each of the first connector clip and the second connector clip being engaged against the lead as the lead is advanced through the aperture to further deflect the first arm and the second arm from the second position to a third position corresponding to a third relative position of the first arm and the second arm.

48. (Currently Amended) The device of claim 47, wherein ~~the first arm of each of the first connector clip and the second connector clip extends from the top portion to a first end and the second arm extends from the top portion to a second end, and wherein the first connector clip and the second connector clip include a first side wall along the first end and a second side wall along the second end, the first side wall being adjacent to and engaged against the second side wall when the first connector clip and the second connector clip is in the first position, the first end being engaged against the second end when the first connector clip and the second connector clip is in the second position, and the first end is extended a distance outward from the second end when the first connector clip and the second connector clip is in the third position.~~